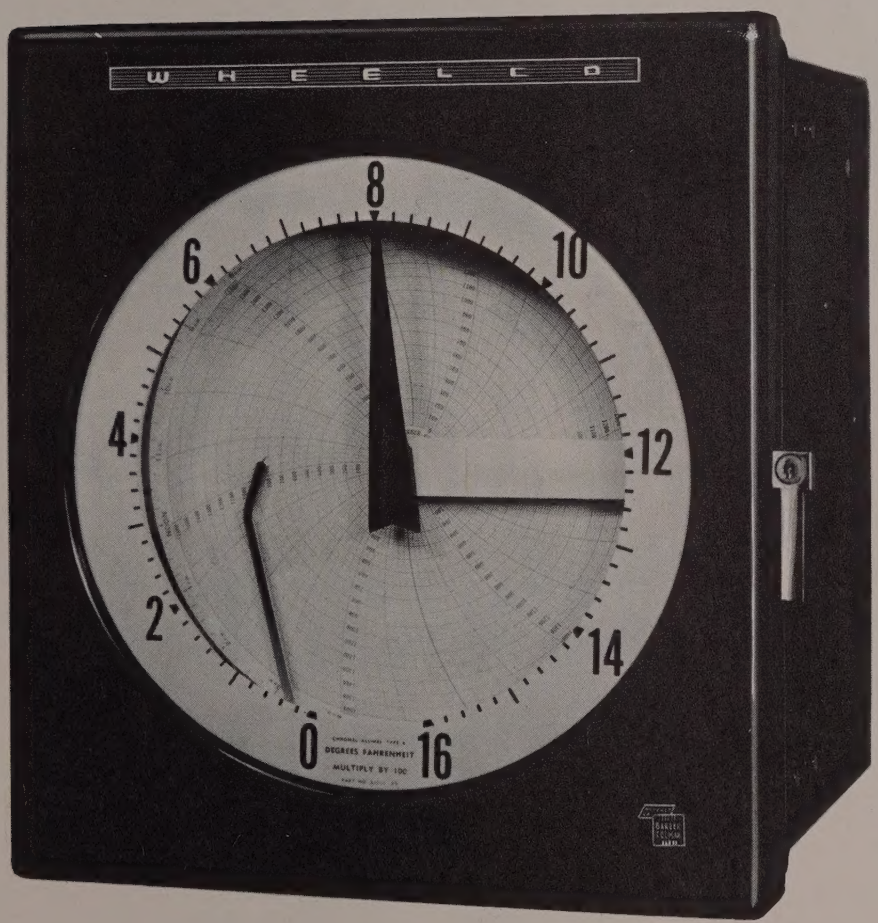
Wheelco

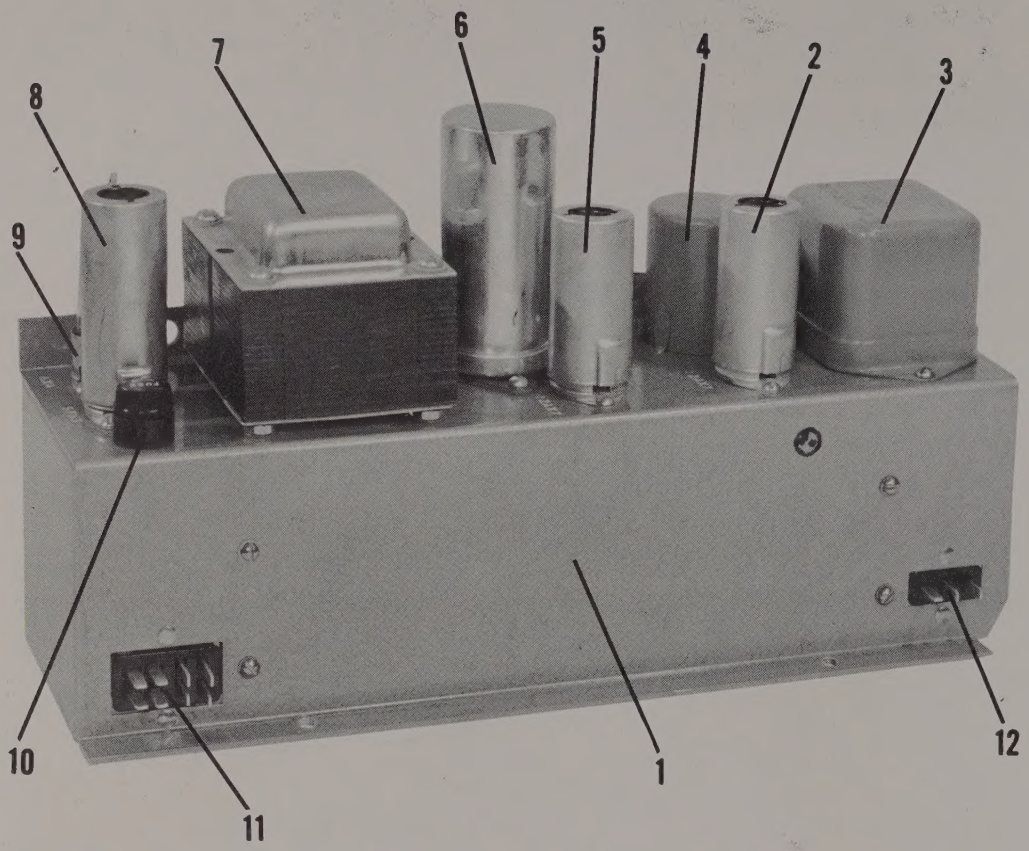
BARBER COLMAN

REPLACEMENT PARTS LIST

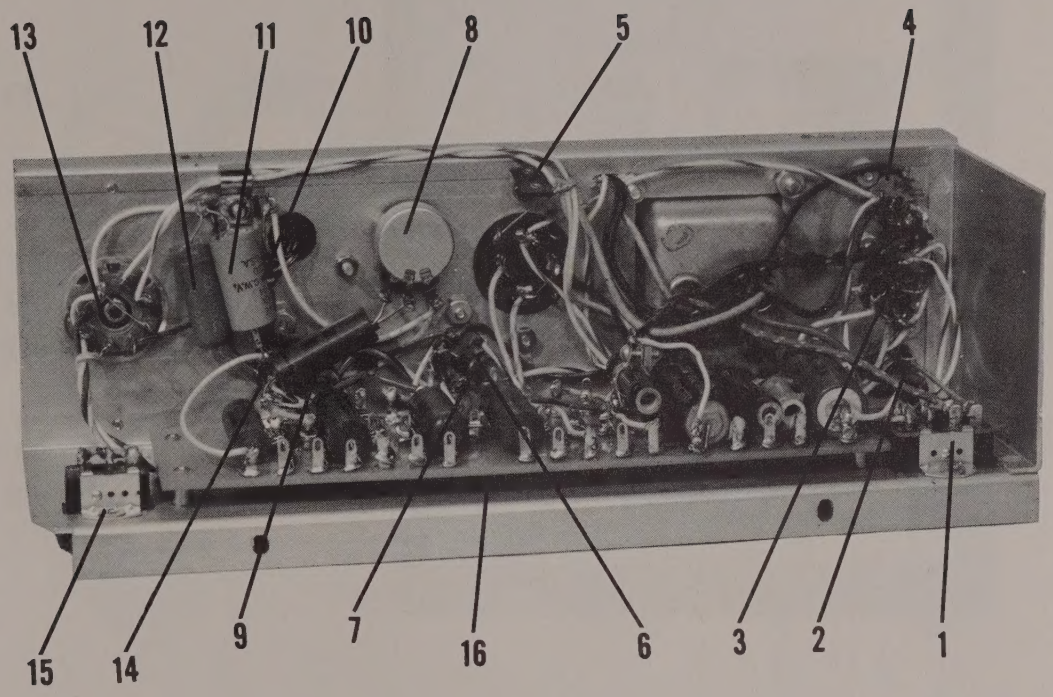
RECORDER CONTROLLER

2000 SERIES

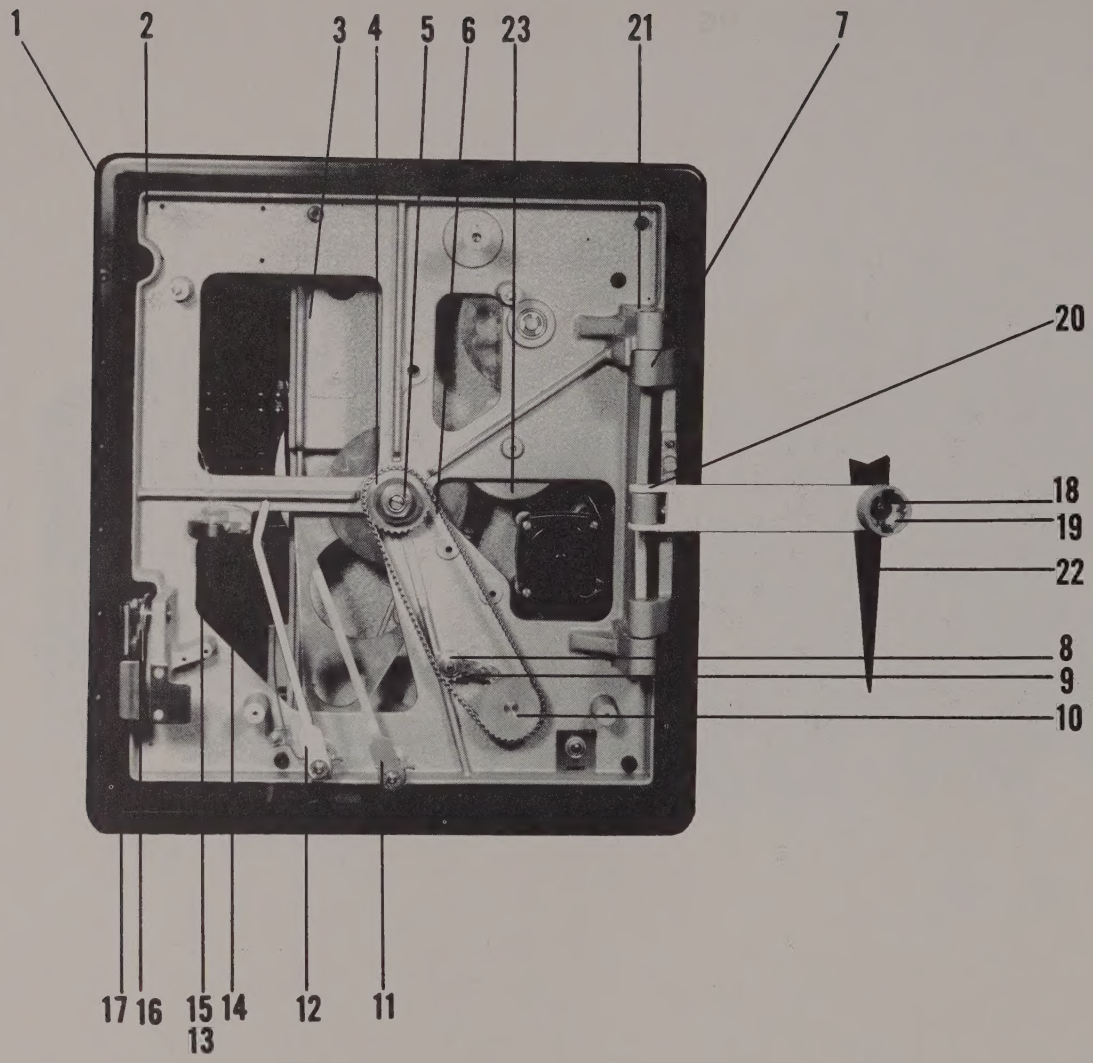




ITEM	ORDERING NO.	DESCRIPTION
1	A-3373	Amplifier Assembly less Chopper
2	EYZP-70-10	Tube 12AX7
3	A-3375	Microconverter-Chopper
4	30-071	Chopper Transformer
5	EYZP-70-10	Tube 12AX7
6	39-091	Capacitor 20-20-20-20 MFD
7	30-074	Recorder Amplifier Transformer
8	31-015	Tube 5763
9	31-017	Tube 6X4
10	50-080	Fuse ½ amp.
11	34-302	8 Contact Socket
12	34-303	3 Contact Socket

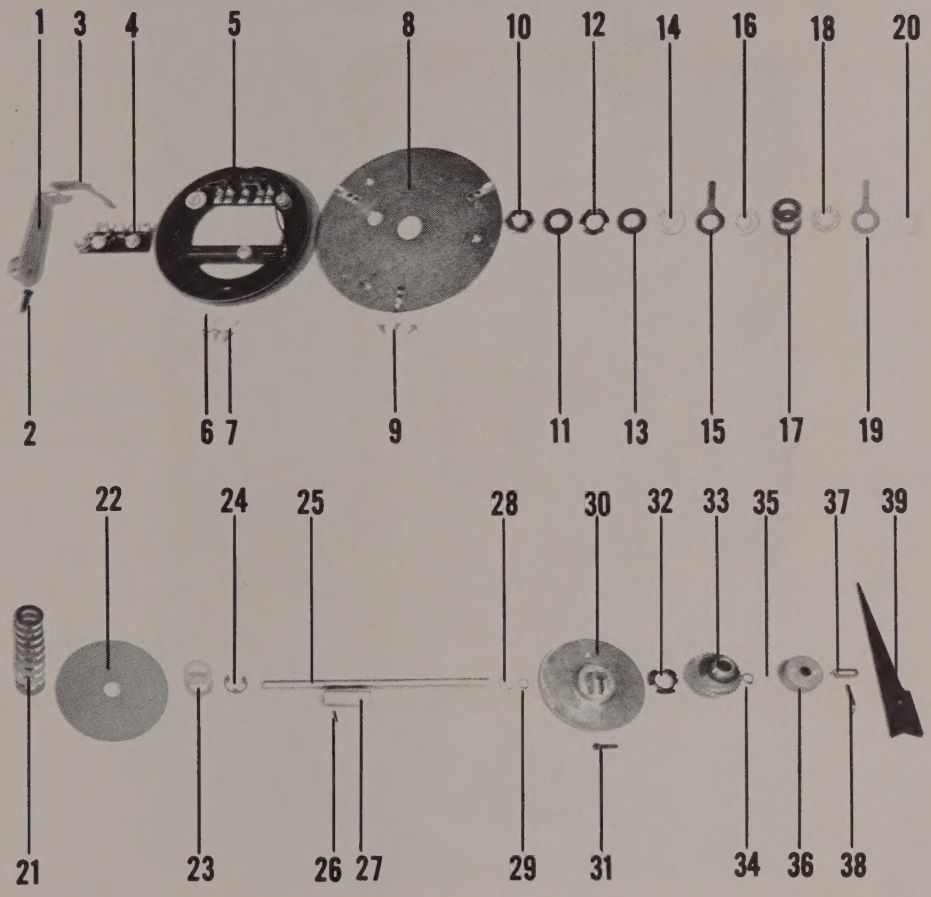


ITEM	ORDERING NO.	DESCRIPTION
1	34-320	8 Contact Socket
2	CYZE-207	Fuse Holder
3	EYZP-103	9 Pin Miniature Tube Socket
4	34-321	7 Pin Miniature Tube Socket
5	34-256-1	Single Terminal Bracket
6	EYZP-103	9 Pin Miniature Tube Socket
7	CYZR-170-22	Resistor 1000 Ohm
8	29-051	Potentiometer 2 Megohm
9	39-025-2	Paper Capacitor .02 MFD 600 Volt
10	40-008-3	Resistor 4700 ohms ½ Watt
11	39-092	Capacitor 100 MFD
12	CYZR-173-3	Capacitor .05 MFD
13	34-162-2	Socket
14	EYZP-103	9 Pin Miniature Tube Socket
15	34-303	3 Contact Socket
16	A-3372	Terminal Board Assembly



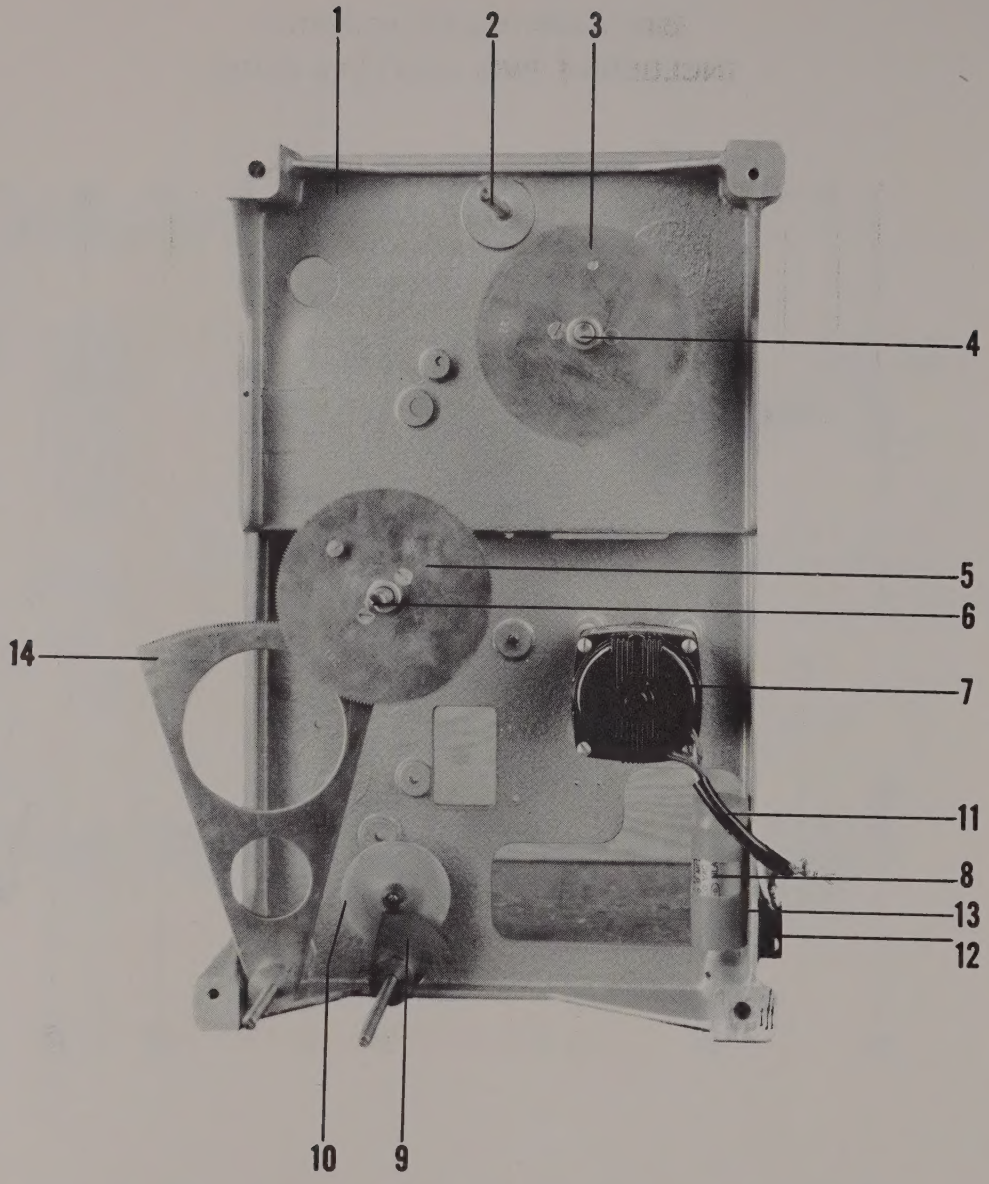
ITEM	ORDERING NO.	DESCRIPTION
1	A-3671	Recorder Case
2	3-150-100	Front Frame
3	3-151-100	Rear Frame
4	A-3828	31T. Chart Hub Assembly
5	BYLC-170	Retaining Ring
6	50-074	Ladder Chain
7	3-136-200	Hinge Plate
8	A-3835	14T. Sprocket and Bushing Assembly
9	A-3275	Idler Sprocket Arm Assembly
10	A-3818	Chart Drive Sprocket Assembly
11	A-3821	Chart Set Pointer Assembly
12	A-3820	Pen and Pen Arm Assembly
13	56-01-100	Ink 3/4 oz.
14	13-1200	Ink Reservoir Mounting Bracket
15	A-3840	Ink Reservoir and Tubing Assembly
16	25-117	Latch Spring
17	A-3229	Latch Assembly
18	BYLC-398	Retaining Ring
19	A-3822	Chart Hub Cap Assembly
20	11-1630	Pointer Bracket Hinge Pin
21	11-1605	Pointer
22	3-156	144T. Idler Gear and Sprocket Assembly
23	A-3834	

2000 MAIN SHAFT ASSEMBLY
INCLUDING TWO LIMIT SWITCHES

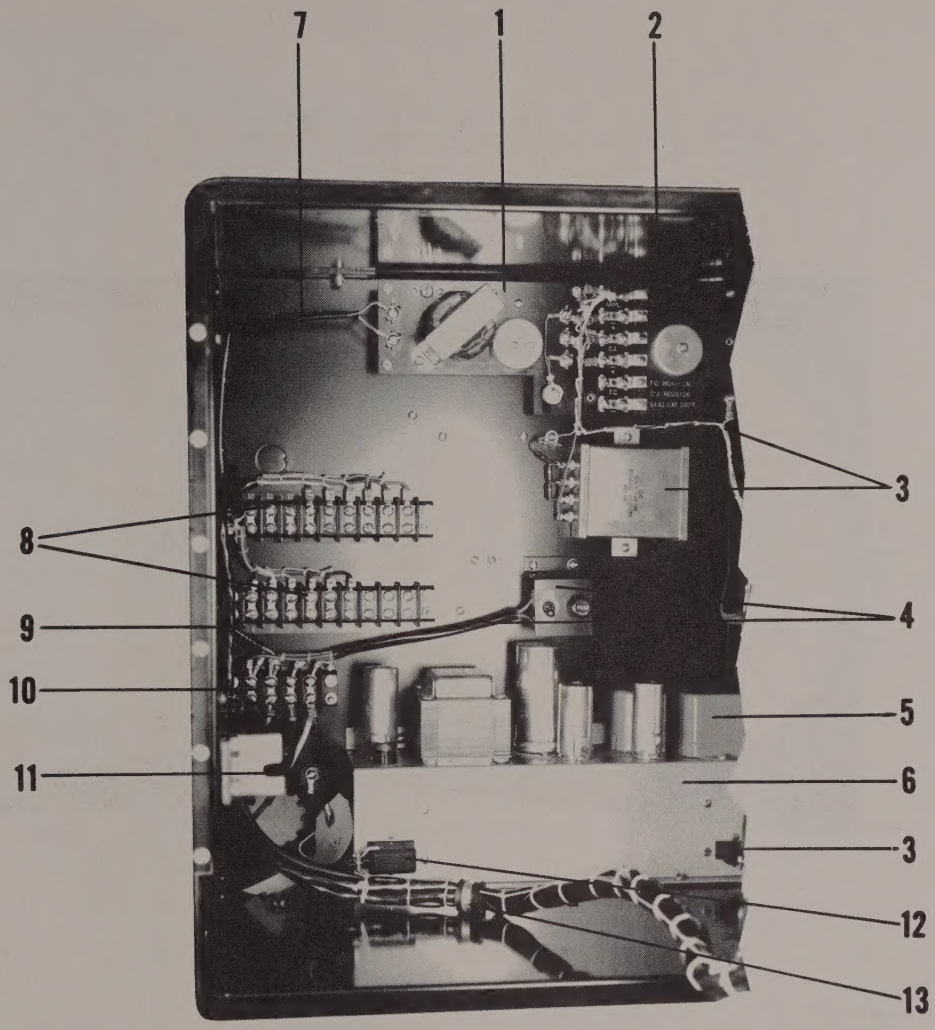


ITEM	ORDERING NO.	DESCRIPTION
1	3-147	Contact Arm
2	BYRF-137	Socket Head Cap Screw
3	A-3312	Slide Wire Contact Assembly
4	A-3225	Spool Plate Assembly (Specify Range and Actuation)
5	A-3665	Slide Wire Assembly Constant Voltage
	A-3573	Slide Wire Assembly S266 Actuation
	A-3778	Slide Wire Assembly Resistance Bulb
	A-3572	Slide Wire Assembly One Millivolt (Includes Voltage Divides)
	A-3224	Slide Wire Assembly Battery Standardization
6	CYRD-512	Washers #8 x 3/8
7	BYRF-50	Round Head Screws
8	A-3226	Slide Wire Plate Assembly
9	BYRF-348	Flathead Screw
10	14-060	5/8 x 18 Hex Jam Nut
11	16-154	Keyed Spacer Washer
12	16-156	Spring Washer
13	16-154	Keyed Spacer Washer
14	50-102	Cork Clutch Disc
15	13-1303	Auxiliary Switch Cam
16	50-102	Cork Clutch Disc

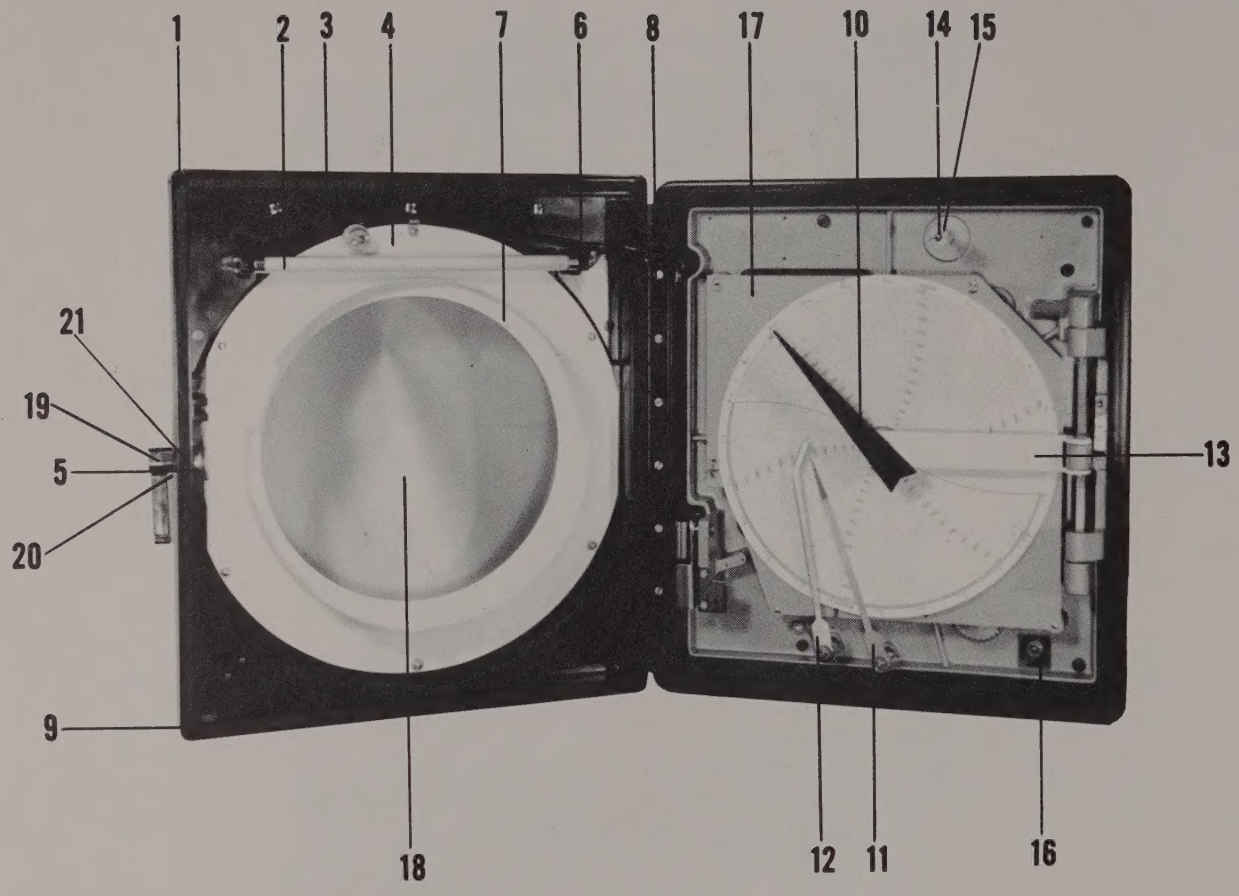
ITEM	ORDERING NO.	DESCRIPTION
17	16-154	Keyed Spacer Washer (2)
18	50-102	Cork Clutch Disc
19	13-1303	Auxiliary Switch Cam
20	50-102	Cork Clutch Disc
21	16-154	Keyed Spacer Washer (9)
22	28-170	210 Tooth Servo Gear
23	16-155	Keyed Backing Washer (2)
24	54-056	"E" Ring
25	11-1643	Servo Shaft
26	59-028	Roll Pin
27	11-1633	Servo Actuation Hub
28	CYRD-254	Spacer
29	BYLC-398	Retaining Ring
30	A-3829	Servo Control Gear and Pinion
31	BYRF-137	Screw 8-32 x 3/4 Socket Hd. Cap
32	16-156	Spring Washer
33	A-3828	Gear and Platten — 31 Tooth — 24 Hour
	A-4012	Gear and Platten — 49 Tooth — 7 Day
34	16-156	Spring Washer
35	BYLC-398	Retaining Ring
36	A-3822	Chart Hub Cap Assembly
37	11-1642	Pointer Stub Shaft
38	59-028	Roll Pin
39	3-156	Pointer



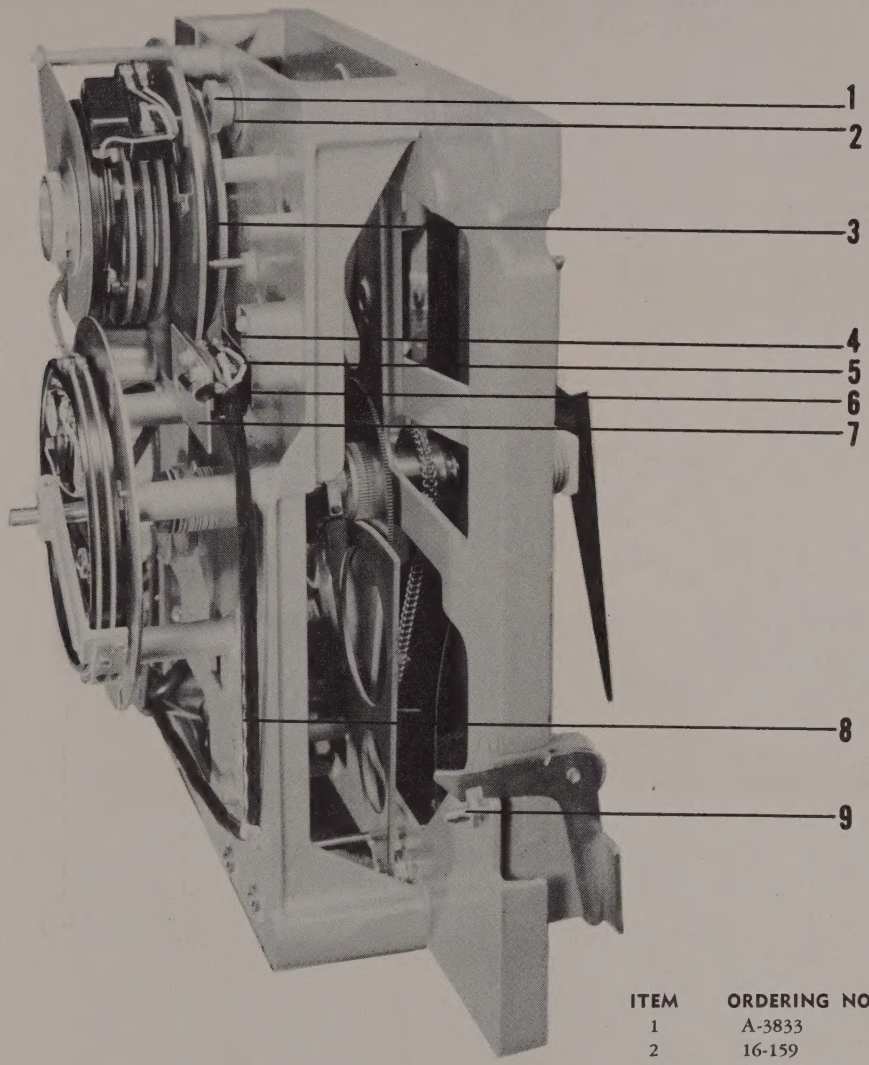
ITEM	ORDERING NO.	DESCRIPTION
1	3-150-100	Rear Frame
2	A-3833	Set Point Shaft Assembly
3	A-3830	Control Shaft Gear and Clamp Assembly
4	11-1631	Control Shaft
5	A-3829	Servo Control Gear and Pinion
6	11-1643	Servo Shaft
7	A-3641	Servo Motor
8	A-4127	Capacitor Assembly
9	A-3827	20T. Sector Gear and Hub Assembly
10	A-3821	Pulley, Gear and Hub Assembly
11	6-095	Plastic Cap
12	BYZP-158	Terminal Strip
13	10-429	Marker Strip
14	28-181	Sector Gear



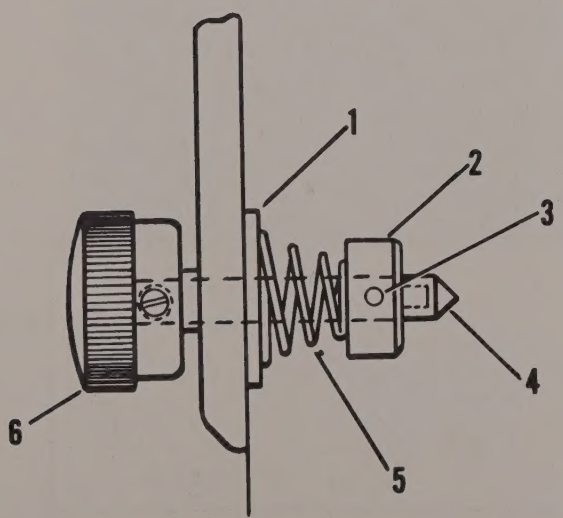
ITEM	ORDERING NO.	DESCRIPTION
1	A-3735	Reference Voltage Assembly
2	A-3470-100 thru 500	Cold Junction Assembly
3	A-3916	Filter Cable and Plug Assembly
4	A-3789	Switch, Fuse Holder and Cable Assembly
5	A-3375	Chopper Assembly
6	A-3373	Amplifier Assembly
7	No Number	Constant Voltage Source Power Cable
8	34-300	9 Lug Terminal Strip
9	a) 10-461	1—4 Marker Strip
	b) 10-404-1	1—9 Marker Strip
	c) 10-405-1	10—18 Marker Strip
10	34-030	4 Lug Terminal Strip
11	No Number	Ground Lead Assembly
12	A-3910	Reference Voltage Power Cable
13	EYZP-60-1	Cable Clamp



ITEM	ORDERING NO.	DESCRIPTION
1	6-111	Door
2	26-023	Light Bulb
3	A-3914	Light Cable
4	13-1128	Light Shield
5	A-3365	Latch Assembly
6	34-299	Light Socket
7	RS-20XXX	Scale
8	17-039 and 27-113	Hinge and Gasket
9	R4-85	Door Gasket
10	3-156	Pointer
11	A-3821	Set Pointer Assembly
12	A-3820	Pen Arm Assembly
13	3-152	Pointer Bracket
14	5-020	Knob
15	A-3833	Set Point Shaft Assembly
16	32-172	Switch
17	13-1201	Chart Plate
18	7-079	Window
19	A-3366	Locking Handle Assembly
20	16-145	Spring Washer
21	10-485	Nylon Washer



ITEM	ORDERING NO.	DESCRIPTION
1	A-3833	Set Point Shaft Assembly
2	16-159	Spring Washer
3	A-3832	Switch Plate and Spindle Assembly
4	13-1304	Aux. Switch Mounting Bracket
5	10-051	Micro Switch Insulator
6	32-138	Micro Switch Insulator
7	A-3971	#1 Switch Plate and Stud Assembly
8	A-3975	Limit Switch Cable
9	11-1469	Main Frame Guide Pin



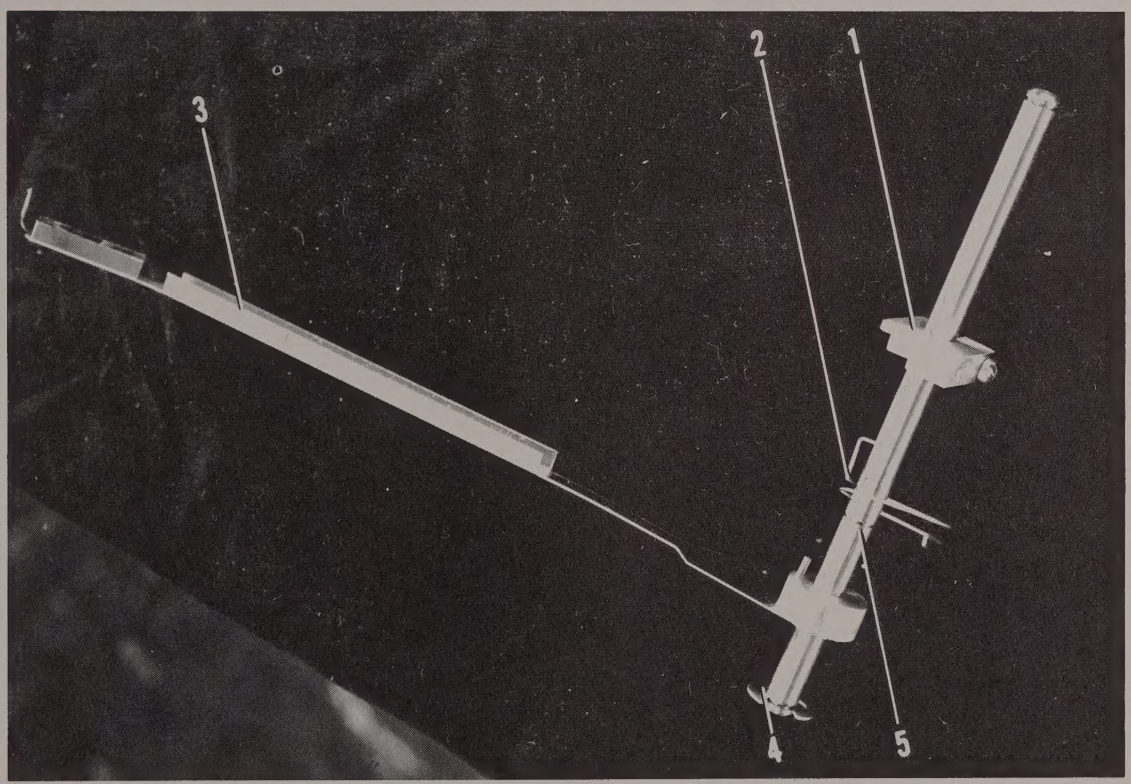
SET POINT KNOB ASSEMBLY

ITEM	ORDERING NO.	DESCRIPTION
1	CYRD-610	1" OD 17/64 ID 1/16 thick washer (zinc plated)
2	11-1527	Knob Clutch
3	54-001	Lock Pin
4	11-1641	Set Point Shaft
5	25-129	Spring
6	22-036	Door Knob

CONTROL VOLTAGE SOURCE

PARTS LIST ON P. 11

ITEM	QUAN.	DESCRIPTION	PART NO.	ITEM	QUAN.	DESCRIPTION	PART NO.
1	1	115-115 V. Transformer	30-089-1	16	1	Compensated Diode	31-027
2	2	#8-32 x 1/4" R.H.M.S. BR. C.P.	BYRF-49	17	1	Resistor 560Ω 2 W	CYZR-172-1
3	1	Resistor 560Ω 1 W	CYZR-104	18	1	Capacitor 250 MMF 500 V.	39-076
4	1	Resistor 1 K 1 W	CYZR-171-7	19	1	Rectifier	37-012
5	1	Resistor 2.2 K 5 W	40-116	20	2	#6 Internal Lockwasher C.P.	CYRD-31
6	1	#4-40 x 1⅜" Fil. Hd. Scr.	BYRF-647	21	1	#6-32 x 5/16" Hex Nut St. C.P.	DYRF-102-1
7	1	#4 Flat Washer	CYRD-166	22	1	#6-32 x 1" R.H.M.S. ST. C.P.	BYRF-416
8	1	Spool Assembly	A-3326	23	1	#8 Internal Lockwasher	CYRD-38
9	1	Ref. Voltage Panel	33-174	24	1	#4 Solder Lug	FYRE-23
10	2	#8-32 x 11/32 Hex Nut	DYRF-19	25	1	Tubular Trimmer	39-111
11	2	Solder Lug	FYRE-29	26	2	#4-40 x 5/16 Fil. Hd. M. S.	BYRF-222
12	3	Zener Diode	31-021	27	1	Capacitor Bracket	13-1186
13	1	3-Lug Terminal Strip	34-232-3	28	1	#4 Int. Lockwasher	CYRD-144
14	1	Dual Elect. Cap. 100 MFD/ 50V 20 MFD/250V	39-127	29	3	#4-40 x 1/4" Hex Nut	DYRF-3
15	1	Capacitor 2 MFD 250 V.	39-077				



ITEM	ORDERING NO.	DESCRIPTION
1	3-153	Pen and Pointer Micro Adjust
2	25-136	Pen and Pointer Spring
3	A-3820	Pen and Pen Arm Assembly
4	X-1817	"E" Ring
5	11-1634	Pen and Pointer Shaft

CONTROL SWITCH AND SLIDE WIRE ASSEMBLY